

| | Compon ent Loadings (No Rotation) | | | | | Rotated Loading Matrix (VARIMA X) | | | |
|---------------------|---|----------|----------|----------|----------|---|----------|----------|--|
| Variable | Factor 1 | Factor 2 | Factor 3 | Factor 4 | Factor 5 | Factor 1 | Factor 2 | Factor 3 | |
| AL_T | 0.73658 | -0.3956 | 0.153944 | 0.154378 | -0.263 | 0.777995 | -0.11941 | 0.26206 | |
| ALKALINI TY | -0.22066 | 0.478405 | 0.583409 | -0.38541 | 0.209269 | -0.12127 | 0.170918 | -0.86915 | |
| AS_T | 0.58714 | -0.20037 | 0.325595 | 0.16183 | -0.04693 | 0.670775 | 0.042995 | 0.022425 | |
| BA_T | 0.399837 | -0.04294 | 0.498745 | 0.045773 | -0.38803 | 0.682595 | -0.02926 | -0.21352 | |
| CA_T | -0.26253 | 0.515073 | 0.625043 | -0.37922 | 0.015584 | -0.06915 | 0.140766 | -0.89315 | |
| CL COLIFOR MS | 0.012543 | 0.854529 | 0.015398 | 0.10731 | 0.092299 | -0.19893 | 0.766528 | -0.27953 | |
| CU_T | 0.806084 | -0.08876 | 0.069842 | 0.193797 | -0.04016 | 0.634659 | 0.227443 | 0.214375 | |
| ECOLI | 0.833464 | -0.24237 | -0.07113 | -0.31995 | 0.215799 | 0.348219 | -0.04397 | 0.063264 | |
| ENTERO | 0.770553 | -0.24373 | -0.04483 | -0.26175 | 0.12766 | 0.373823 | -0.06075 | 0.077934 | |
| FE_T | 0.770757 | -0.38045 | 0.19944 | 0.152298 | -0.21167 | 0.804452 | -0.08844 | 0.2216 | |
| FECAL K_T | 0.768988 | -0.2023 | -0.0682 | -0.40078 | 0.260162 | 0.257834 | -0.05457 | -0.01327 | |
| MG_T | 0.556884 | 0.489416 | 0.241254 | 0.201822 | 0.140832 | 0.377336 | 0.663959 | -0.17846 | |
| MN_T | 0.635017 | -0.23897 | 0.441688 | 0.190652 | 0.077259 | 0.748827 | 0.06156 | -0.03814 | |
| N_NO2_N O3 | 0.064213 | 0.422042 | -0.16 | -0.29785 | -0.69654 | -0.05145 | 0.065896 | -0.11682 | |

| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| NA_T | -0.02346 | 0.888492 | -0.07792 | 0.1708 | 0.117824 | -0.26972 | 0.824164 | -0.19816 |
| P_SOL_R | | | | | | | | |
| EAC | 0.714248 | 0.445495 | -0.349 | -0.13206 | -0.16342 | 0.118448 | 0.486718 | 0.136934 |
| P_T_4500 | 0.804128 | 0.358721 | -0.30696 | -0.01547 | -0.12783 | 0.250247 | 0.499467 | 0.212784 |
| P_TD_45 | | | | | | | | |
| 00 | 0.726075 | 0.457813 | -0.37615 | -0.10235 | -0.15315 | 0.113832 | 0.51745 | 0.168896 |
| SO4 | 0.15338 | 0.635027 | 0.056077 | 0.37806 | 0.248015 | 0.014527 | 0.784069 | -0.0742 |
| TDS | 0.429178 | 0.557744 | 0.344725 | -0.18497 | -0.14615 | 0.295817 | 0.434455 | -0.47824 |
| TKN | 0.48982 | 0.04695 | -0.1491 | 0.062034 | 0.251359 | 0.141454 | 0.276089 | 0.167726 |
| TOC | 0.833325 | 0.034581 | -0.07055 | 0.137746 | 0.227209 | 0.433428 | 0.385823 | 0.211451 |
| ZN_T | 0.674663 | -0.14923 | 0.290122 | 0.169941 | -0.06993 | 0.699937 | 0.109372 | 0.049032 |

| Rotated Loading Matrix (EQUAMA X) | | | | | Rotated Loading Matrix (QUARTI MAX) | | | | |
|---|----------|----------|----------|----------|---|----------|----------|----------|--|
| Factor 4 | Factor 5 | Factor 1 | Factor 2 | Factor 3 | Factor 4 | Factor 5 | Factor 1 | Factor 2 | |
| 0.336119 | 0.120684 | 0.753658 | 0.324859 | 0.19355 | -0.11103 | 0.304016 | 0.619133 | -0.19443 | |
| | | | | | | | | | |
| -0.07502 | -0.0727 | -0.07692 | -0.8773 | -0.09232 | 0.16157 | 0.007443 | -0.19266 | 0.23113 | |
| 0.250819 | -0.06392 | 0.662378 | 0.078875 | 0.015011 | 0.073818 | 0.262003 | 0.483531 | -0.01566 | |
| | | | | | | | | | |
| -0.02447 | 0.223915 | 0.686952 | -0.19032 | 0.224682 | -0.06072 | -0.02874 | 0.221989 | -0.0217 | |
| -0.20233 | 0.075531 | -0.02383 | -0.91575 | 0.02496 | 0.10221 | -0.13681 | -0.28518 | 0.225744 | |
| | | | | | | | | | |
| -0.10913 | 0.182928 | -0.20462 | -0.32972 | 0.273479 | 0.707969 | -0.1551 | -0.09149 | 0.804894 | |
| 0.847009 | 0.050889 | 0.255312 | 0.093955 | 0.194933 | -0.04575 | 0.829239 | 0.86985 | -0.17775 | |
| | | | | | | | | | |
| 0.44323 | 0.069039 | 0.603568 | 0.271123 | 0.215273 | 0.238208 | 0.401012 | 0.699356 | 0.139157 | |
| 0.882896 | 0.026482 | 0.321666 | 0.153345 | 0.185787 | -0.0179 | 0.863468 | 0.935578 | -0.16883 | |
| | | | | | | | | | |
| 0.766181 | 0.058611 | 0.348985 | 0.15843 | 0.195376 | -0.04243 | 0.743716 | 0.840834 | -0.17049 | |
| 0.369109 | 0.079181 | 0.781684 | 0.289918 | 0.16387 | -0.07238 | 0.345556 | 0.655773 | -0.16876 | |
| | | | | | | | | | |
| 0.891761 | 0.018939 | 0.235605 | 0.074191 | 0.171744 | -0.02984 | 0.879676 | 0.899264 | -0.17332 | |
| 0.41435 | 0.295872 | 0.263617 | 0.091042 | 0.491902 | 0.636854 | 0.318928 | 0.609335 | 0.626892 | |
| | | | | | | | | | |
| 0.229439 | 0.026501 | 0.363212 | -0.161 | 0.188227 | 0.657457 | 0.207111 | 0.419464 | 0.627236 | |
| 0.296033 | -0.21009 | 0.745794 | 0.033364 | -0.11488 | 0.120412 | 0.335767 | 0.53963 | -0.01016 | |
| | | | | | | | | | |
| -0.09872 | 0.866797 | -0.06857 | -0.17358 | 0.826919 | -0.0995 | -0.23063 | -0.05397 | 0.135767 | |

-0.13638 0.170974 -0.2797 -0.25585 0.267812 0.766146 -0.19157 -0.12703 0.861889

0.538884 0.560796 0.070178 0.142664 0.730497 0.393797 0.400729 0.651437 0.432304
0.556621 0.467879 0.199654 0.230552 0.653797 0.427709 0.427439 0.7208 0.428538

0.541796 0.556251 0.063277 0.173717 0.733049 0.425369 0.399643 0.659627 0.460231
-0.06893 -0.0956 0.004232 -0.09777 0.030015 0.785028 -0.08732 0.031257 0.78194
0.183959 0.361756 0.29434 -0.47697 0.449949 0.362563 0.147085 0.306994 0.446268
0.448684 -0.07552 0.116605 0.206276 0.064372 0.302087 0.424076 0.510349 0.196803
0.62287 -0.04249 0.397676 0.273788 0.158243 0.414731 0.583998 0.799761 0.273053
0.301807 -0.00422 0.685574 0.105877 0.095321 0.130423 0.296757 0.556558 0.044299

Rotated
 Pattern
 Matrix
 (OBLIMIN
)

Factor 3 Factor 4 Factor 5 Factor 1 Factor 2 Factor 3 Factor 4 Factor 5

-0.22092 0.584446 0.065114 0.106288 -0.14191 -0.26905 0.757258 0.091136

0.84511 -0.0366 -0.0646 0.154465 0.100675 0.914654 -0.09507 -0.10081

0.000754 0.521111 -0.11697 0.086332 0.043444 -0.01955 0.66547 -0.10592

0.198148 0.662771 0.186659 -0.1831 -0.0961 0.190548 0.779093 0.194085

0.851223 0.06721 0.087002 -0.00801 0.046033 0.918548 0.008073 0.053917

0.229646 -0.1371 0.151293 -0.13546 0.734566 0.234841 -0.17902 0.166544

0.101296 -0.05678 0.004581 0.913424 -0.13734 0.071297 0.038593 0.019604

-0.17224 0.404416 -0.00393 0.231603 0.214977 -0.22071 0.561611 0.028148

0.052357 -0.01034 -0.0272 0.91894 -0.10766 0.016748 0.103313 -0.00905

0.02235 0.057731 0.008779 0.771698 -0.12137 -0.013 0.169974 0.027121

-0.17784 0.596714 0.019302 0.145276 -0.10819 -0.22305 0.775954 0.043643

0.131073 -0.09242 -0.02815 0.978558 -0.12652 0.103402 0.001077 -0.01479

-0.05883 0.115274 0.214517 0.240102 0.630093 -0.10834 0.207994 0.259684

0.17274 0.258866 -0.04681 0.091023 0.647865 0.158429 0.349398 -0.02545

0.066068 0.573968 -0.26954 0.138565 0.082574 0.053807 0.735866 -0.26486

0.093097 0.028868 0.866529 -0.13641 -0.11371 0.064465 -0.00363 0.89722

| | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.14399 | -0.1993 | 0.140186 | -0.17692 | 0.80766 | 0.144794 | -0.25137 | 0.158841 |
| -0.09115 | -0.09073 | 0.496756 | 0.441095 | 0.367141 | -0.15285 | -0.03312 | 0.548553 |
| -0.16547 | 0.015749 | 0.394055 | 0.406682 | 0.406723 | -0.23205 | 0.104472 | 0.447411 |
| -0.12365 | -0.09902 | 0.490082 | 0.432518 | 0.403281 | -0.18808 | -0.04007 | 0.543927 |
| 0.030355 | 0.020977 | -0.14353 | -0.19084 | 0.829804 | 0.027112 | 0.035479 | -0.12753 |
| 0.471859 | 0.237986 | 0.311436 | 0.158272 | 0.311382 | 0.471741 | 0.287689 | 0.325588 |
| -0.1195 | -0.05731 | -0.12098 | 0.397137 | 0.288009 | -0.14846 | 0.007139 | -0.1012 |
| -0.1486 | 0.143218 | -0.12014 | 0.482533 | 0.388011 | -0.19514 | 0.27625 | -0.08805 |
| -0.02258 | 0.528026 | -0.06589 | 0.115303 | 0.099483 | -0.05081 | 0.682173 | -0.04827 |

| Number of Variables | | | | | | Coefficients (No Rotation) | |
|-------------------------------------|----------|----------|----------|----------|----------|----------------------------|----------|
| | Variable | Factor 1 | | | | | |
| 25 | AL_T | 0.078333 | | | | | |
| Component Loadings (No Rotation) | Factor 1 | Factor 2 | Factor 3 | Factor 4 | Factor 5 | | |
| Variance Explained | 9.403242 | 4.571454 | 2.058548 | 1.359277 | 1.287053 | ALKALINI | |
| Percent of Total Variance Explained | 37.61297 | 18.28582 | 8.234192 | 5.437107 | 5.14821 | TY | -0.02347 |
| | | | | | | AS_T | 0.06244 |
| Rotated Loadings (VARIMA X) | Factor 1 | Factor 2 | Factor 3 | Factor 4 | Factor 5 | CL | 0.001334 |
| Variance Explained | 4.780759 | 4.118412 | 2.345846 | 5.399892 | 2.034665 | COLIFOR | 0.080479 |
| Percent of Total Variance Explained | 19.12304 | 16.47365 | 9.383385 | 21.59957 | 8.138658 | MS | |
| | | | | | | CU_T | 0.085724 |
| Rotated Loadings (EQUAMA X) | Factor 1 | Factor 2 | Factor 3 | Factor 4 | Factor 5 | ECOLI | 0.088636 |
| Variance Explained | 4.466035 | 2.685839 | 3.171661 | 3.622472 | 4.733566 | ENTERO | 0.081945 |
| Percent of Total Variance Explained | 17.86414 | 10.74336 | 12.68664 | 14.48989 | 18.93426 | FE_T | 0.081967 |
| | | | | | | FECAL_K_T | 0.081779 |
| Rotated Loadings (QUARTI MAX) | Factor 1 | Factor 2 | Factor 3 | Factor 4 | Factor 5 | K_T | 0.07835 |
| Variance Explained | 8.401551 | 4.013792 | 2.050061 | 2.440141 | 1.774028 | MG_T | 0.059223 |
| Percent of Total Variance Explained | 33.6062 | 16.05517 | 8.200245 | 9.760563 | 7.096112 | MN_T | 0.067532 |
| | | | | | | N_NO2_N | |
| | | | | | | O3 | 0.006829 |

| | NA_T | -0.0025 |
|--|---|--|
| Rotated Loadings (OBBLIMIN) | P_SOL_R | |
| Variance Explained | EAC | 0.075958 |
| Percent of Total Variance Explained | P_T_4500 | 0.085516 |
| EDA_Group =GW - Geoprobe =GW - Spring =GW - Well =SW - | P_TD_45 00 SO4 TDS TKN TOC ZN_T | 0.077215 0.016311 0.045642 0.052091 0.088621 0.071748 |

| Coefficients (VARIMA X) | | | | | | | | | |
|-------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| Factor 2 | Factor 3 | Factor 4 | Factor 5 | Factor 1 | Factor 2 | Factor 3 | Factor 4 | Factor 5 | |
| -0.08654 | 0.074783 | 0.113574 | -0.20434 | 0.217992 | -0.0534 | 0.076634 | -0.09629 | 0.091404 | |
| 0.10465 | 0.283408 | -0.28354 | 0.162596 | -0.02754 | -0.02436 | -0.42249 | 0.111113 | -0.08039 | |
| -0.04383 | 0.158167 | 0.119056 | -0.03647 | 0.194969 | 0.015709 | -0.01817 | -0.06692 | -0.05721 | |
| -0.00939 | 0.24228 | 0.033675 | -0.30148 | 0.275869 | -0.07091 | -0.11108 | -0.17222 | 0.171733 | |
| 0.112672 | 0.303633 | -0.27899 | 0.012108 | 0.028236 | -0.0558 | -0.42073 | 0.037454 | 0.036362 | |
| 0.186927 | 0.00748 | 0.078947 | 0.071713 | -0.03859 | 0.204349 | -0.03959 | -0.03284 | -0.02192 | |
| -0.04561 | -0.0341 | -0.27427 | 0.158608 | -0.10537 | -0.09383 | -0.11668 | 0.27544 | -0.02664 | |
| -0.01942 | 0.033928 | 0.142573 | -0.03121 | 0.136969 | 0.061621 | 0.078067 | -0.03163 | -0.02292 | |
| -0.05302 | -0.03455 | -0.23538 | 0.167669 | -0.08787 | -0.07807 | -0.0919 | 0.266087 | -0.04809 | |
| -0.05332 | -0.02178 | -0.19256 | 0.099188 | -0.04785 | -0.07912 | -0.07034 | 0.208107 | -0.01201 | |
| -0.08322 | 0.096884 | 0.112043 | -0.16446 | 0.219155 | -0.04182 | 0.054544 | -0.08247 | 0.05547 | |
| -0.04425 | -0.03313 | -0.29485 | 0.202138 | -0.12527 | -0.09069 | -0.13414 | 0.30441 | -0.05444 | |
| 0.109918 | -0.05248 | 0.104273 | -0.00169 | 0.025439 | 0.16035 | 0.066308 | 0.002029 | 0.033024 | |
| 0.107059 | 0.117196 | 0.148478 | 0.109422 | 0.094133 | 0.189129 | -0.0461 | -0.03071 | -0.12257 | |
| -0.05227 | 0.214563 | 0.14026 | 0.060028 | 0.210335 | 0.040128 | -0.05434 | -0.04761 | -0.1598 | |
| 0.092321 | -0.07772 | -0.21912 | -0.54119 | 0.027188 | -0.1497 | -0.03596 | -0.09812 | 0.566957 | |

| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.194356 | -0.03785 | 0.125655 | 0.091546 | -0.05904 | 0.237715 | 0.013269 | -0.04045 | -0.0397 |
| 0.097452 | -0.16954 | -0.09715 | -0.12697 | -0.0726 | 0.036734 | 0.057965 | 0.082198 | 0.229856 |
| 0.07847 | -0.14911 | -0.01138 | -0.09932 | -0.02836 | 0.067531 | 0.096025 | 0.053679 | 0.168025 |
| 0.100146 | -0.18272 | -0.0753 | -0.11899 | -0.07502 | 0.051747 | 0.077816 | 0.078294 | 0.220721 |
| 0.138911 | 0.027241 | 0.278133 | 0.1927 | 0.026853 | 0.286491 | 0.062534 | -0.07322 | -0.2067 |
| 0.122006 | 0.16746 | -0.13608 | -0.11355 | 0.080923 | 0.013051 | -0.22154 | -0.00204 | 0.143605 |
| 0.01027 | -0.07243 | 0.045637 | 0.195298 | -0.05842 | 0.096379 | 0.058667 | 0.111241 | -0.14061 |
| 0.007565 | -0.03427 | 0.101338 | 0.176534 | 0.012226 | 0.122076 | 0.070622 | 0.091428 | -0.14873 |
| -0.03264 | 0.140935 | 0.125023 | -0.05434 | 0.195357 | 0.026697 | -0.00318 | -0.06771 | -0.03446 |

| Coefficients (EQUAMA X) | | | | | Coefficients (QUARTI MAX) | | | | |
|-------------------------------|----------|----------|----------|----------|---------------------------------|----------|----------|----------|--|
| Factor 1 | Factor 2 | Factor 3 | Factor 4 | Factor 5 | Factor 1 | Factor 2 | Factor 3 | Factor 4 | |
| 0.214802 | 0.076117 | 0.07378 | -0.06597 | -0.11019 | 0.002193 | -0.04693 | -0.09014 | 0.237545 | |
| -0.00608 | -0.40705 | -0.0806 | -0.01444 | 0.161926 | 0.034938 | -0.01607 | 0.435195 | -0.04311 | |
| 0.198401 | -0.01125 | -0.05755 | 0.027732 | -0.05264 | 0.008618 | 0.015663 | 0.006138 | 0.203736 | |
| 0.282215 | -0.11733 | 0.130161 | -0.10198 | -0.17852 | -0.06266 | -0.04041 | 0.084834 | 0.334745 | |
| 0.048867 | -0.41364 | 0.016389 | -0.06743 | 0.073145 | -0.00695 | -0.03302 | 0.423259 | 0.041204 | |
| -0.03985 | -0.04913 | 0.005758 | 0.202486 | -0.0366 | -0.02333 | 0.208434 | 0.026528 | -0.02675 | |
| -0.10337 | -0.09425 | -0.00323 | -0.08452 | 0.288748 | 0.183403 | -0.11868 | 0.158127 | -0.19185 | |
| 0.132696 | 0.081163 | -0.00865 | 0.06801 | -0.0358 | 0.037943 | 0.054464 | -0.08591 | 0.131124 | |
| -0.08671 | -0.06889 | -0.02122 | -0.06456 | 0.280169 | 0.18484 | -0.10521 | 0.131593 | -0.17496 | |
| -0.04735 | -0.05207 | 0.005873 | -0.07249 | 0.21612 | 0.15195 | -0.09943 | 0.101696 | -0.1162 | |
| 0.217456 | 0.056871 | 0.042575 | -0.04804 | -0.08938 | 0.011793 | -0.03799 | -0.06665 | 0.23315 | |
| -0.1224 | -0.10886 | -0.02604 | -0.07632 | 0.322809 | 0.198802 | -0.11914 | 0.179647 | -0.22115 | |
| 0.017262 | 0.060711 | 0.063866 | 0.15321 | -0.01774 | 0.042119 | 0.155177 | -0.07304 | 0.015969 | |
| 0.096013 | -0.04305 | -0.0892 | 0.208504 | -0.01482 | 0.018859 | 0.183576 | 0.032934 | 0.09197 | |
| 0.217353 | -0.04027 | -0.1501 | 0.070649 | -0.01484 | 0.024101 | 0.033212 | 0.044089 | 0.208383 | |
| 0.019212 | -0.06714 | 0.505334 | -0.25343 | -0.1762 | -0.06378 | -0.10181 | 0.024007 | 0.089835 | |

| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| -0.06303 | 0.001622 | -0.00563 | 0.238863 | -0.04817 | -0.02888 | 0.238771 | -0.02786 | -0.04761 |
| -0.08477 | 0.047715 | 0.242616 | -0.00432 | 0.035012 | 0.074358 | 0.037727 | -0.0489 | -0.09341 |
| -0.04084 | 0.087655 | 0.18639 | 0.038077 | 0.01253 | 0.069128 | 0.064517 | -0.09185 | -0.0474 |
| -0.0882 | 0.067002 | 0.236411 | 0.012303 | 0.029982 | 0.073456 | 0.051398 | -0.06963 | -0.09615 |
| 0.024521 | 0.059328 | -0.15923 | 0.319089 | -0.05919 | -0.0259 | 0.275863 | -0.08295 | 0.033238 |
| 0.087728 | -0.22399 | 0.135233 | -0.01585 | -0.00427 | 0.015496 | 0.032285 | 0.216157 | 0.094694 |
| -0.06249 | 0.068825 | -0.09999 | 0.123113 | 0.120385 | 0.08864 | 0.071367 | -0.04547 | -0.10711 |
| 0.007517 | 0.082268 | -0.10365 | 0.150945 | 0.100832 | 0.101342 | 0.095829 | -0.06199 | -0.0361 |
| 0.197154 | 0.002087 | -0.03314 | 0.034616 | -0.05906 | 0.012714 | 0.026986 | -0.00949 | 0.204069 |

Coefficien
ts
(OBBLIMIN
)

Factor 5 Factor 1 Factor 2 Factor 3 Factor 4 Factor 5
0.084327 -0.02544 -0.05721 -0.07336 0.189398 0.067415

-0.07696 0.059407 0.007422 0.38128 0.000684 -0.05251

-0.0669 -0.01249 0.012711 0.016505 0.169505 -0.05636

0.166771 -0.09541 -0.07093 0.120475 0.232294 0.147082
0.040801 0.006928 -0.02723 0.391299 0.041593 0.049727

-0.03109 -0.03277 0.196241 0.067232 -0.04075 0.019702

-0.02375 0.217149 -0.05298 0.050132 -0.03611 -0.01915

-0.0346 0.017251 0.057485 -0.07455 0.124163 -0.01639
-0.04706 0.215321 -0.04005 0.027812 -0.0225 -0.03889

-0.01143 0.174071 -0.04731 0.017443 0.003432 -0.00918

0.047416 -0.0143 -0.04416 -0.05498 0.192618 0.036881

-0.0514 0.237048 -0.04685 0.06178 -0.04935 -0.04264
0.020173 0.026041 0.157806 -0.05108 0.030375 0.061117

-0.13829 0.000765 0.183441 0.058257 0.082488 -0.08103

-0.17192 0.005051 0.037819 0.045722 0.184816 -0.14816

0.576567 -0.07793 -0.13623 0.053719 0.028077 0.517797

-0.04994 -0.03986 0.224 0.022265 -0.06303 0.005684

0.226939 0.073957 0.051509 -0.05983 -0.03738 0.234252

0.161479 0.06181 0.075399 -0.09243 -0.00453 0.17608

0.216975 0.07182 0.064357 -0.07675 -0.04099 0.227017
-0.22369 -0.04633 0.26204 -0.02442 0.003879 -0.15234

0.139465 0.008501 0.032202 0.212187 0.08802 0.154607

-0.14764 0.095901 0.100235 -0.07119 -0.03431 -0.11303

-0.16099 0.098888 0.124853 -0.08199 0.029197 -0.11781

-0.04512 -0.01036 0.023665 0.0037 0.171007 -0.03282